

IN THE CLAIMS:

Kindly amend claim 23 as follows.

STATUS OF THE CLAIMS:

1-22 (cancelled)

23.(presently amended) An isolated nucleic acid molecule comprising the nucleotide sequence selected from the group consisting of:

- B7
- a) a nucleotide sequence which is at least [about] 90% identical to the nucleotide sequence of SEQ ID NO:4, SEQ ID NO:6, SEQ ID NO:7, SEQ ID NO:9, SEQ ID NO: 10, SEQ ID NO:12;
 - b) SEQ ID NO: 4, SEQ ID NO: 6 or a nucleotide sequence complementary to the nucleotide sequence of SEQ ID NO: 4 or SEQ ID NO: 6;
 - c) SEQ ID NO: 7, SEQ ID NO: 9 or a nucleotide sequence complementary to the nucleotide sequence of SEQ ID NO: 7 or SEQ ID NO: 9; or
 - d) SEQ ID NO: 10, SEQ ID NO: 12 or a nucleotide sequence complementary to the nucleotide sequence of SEQ ID NO: 10 or SEQ ID NO:12;

wherein the nucleic acid encodes a polypeptide having LGR6 activity.

24. An isolated nucleic acid molecule comprising a nucleotide sequence encoding a polypeptide comprising the amino acid sequence of SEQ ID NO: 5, SEQ ID NO:8, or SEQ ID NO: 11, or a nucleotide sequence complementary to a nucleotide sequence encoding a polypeptide comprising the amino acid sequence of SEQ ID NO: 5, SEQ ID NO: 8, or SEQ ID NO:11.

25. An isolated nucleic acid molecule comprising a nucleotide sequence encoding a fusion polypeptide comprising the amino acid sequence of SEQ ID NO: 5, SEQ ID NO: 8, or SEQ ID NO: 11, and a heterologous polypeptide.

26. An isolated nucleic acid molecule of any one of claims 23-25, further comprising vector nucleic acid sequences.

27. A host cell containing the nucleic acid molecule of any one of claims 23-25.

28. A host cell containing a nucleic acid molecule of claim 26.

29. The host cell of claim 27 which is a mammalian cell.

30. The host cell of claim 28 which is a mammalian cell.

31. A method for producing a polypeptide comprising the amino acid sequence of SEQ ID NO:5, SEQ ID NO:8, or SEQ ID NO:11, comprising culturing the host cell of claim 27 under conditions in which the nucleic acid molecule is expressed.

32. A method for producing a polypeptide comprising the amino acid sequence of SEQ ID NO:5, SEQ ID NO: 8 or SEQ ID NO: 11, comprising culturing the host cell of claim 28 under conditions in which the nucleic acid molecule is expressed.